

**Notice of Allowability**

Application No.

09/661,629

Examiner

TUAN A PHAM

Applicant(s)

EASWARAN ET AL.

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/26/04.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 31 January 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☒ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
CURTIS KUNTZ

SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

### REASONS FOR ALLOWANCE

1. Claims 1-18 are allowed over the prior art of record.
2. The following is an examiner's statement of reasons for allowance:

Anne et al. (U.S. Patent No. : 6,603,808) teaches ADSL modem for accurately generating a plurality of samples representing data encoded according to a digital subscriber line (DSL) specification, the data being encoded in a DSL signal and being received on a telephone line, the telephone line being shared by other devices used for home networking, a filter coupled to the telephone line, the filter receiving an input signal on the telephone line and attenuating signal components corresponding to the home networking to generate a filtered output, a first amplifier amplifying the filtered output to generate an amplified signal, and an analog to digital converter (ADC) sampling the amplified signal to generate the plurality of samples.

Leung et al. (U.S. Patent No. : 6,542,540) teaches ADSL modem which include the high pass filter receiving an input signal on the telephone line, a first amplifier amplifying the filtered output to generate an amplified signal, and an analog to digital converter (ADC).

Barrett (U.S. Patent No.: 5,949,085) teaches the high pass filter which include a resistor connect in series with an input of capacitor.

Shiojima (U.S. Patent No.: 5,345,162) teaches the charging circuit which includes a high pass filter, the high pass filter is comprised a resistor connect in series with an input of capacitor.

However, the prior art made of record fails to teach or suggest, in combination, the arrangement of high pass filter includes a resistor connect in series with an input of capacitor, wherein the resistor has a resistance substantially more than the internal resistance of the input capacitor, in combination with other limitations, as specified in the independent claims 1 and 13, and further limitations of their respective dependent claims 2-12 and 14-18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (703) 305-4987 and E-mail address is: **tuan.pham@USPTO.GOV**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (703) 305-4708 and

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Any response to this action should be mailed to:

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Or faxed to:

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal

Drive, Arlington VA, Sixth Floor (Receptionist, tel. No. 703-305-4700).

Art Unit 2643  
Date: September 2, 2004  
Examiner

Tuan Pham

  
CURTIS KUNTZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600